



b) Form — linear
 Direction — negative
 Strength — moderate

c) no
yes @ (x, y)

d) $\hat{y} = 9.6 + -0.412x$
 $r = -0.875$

e) yes - mod. strong
both negative

$$f) \text{ slope} = \frac{-0.412}{1} = \frac{y \text{ jail (yrs.)}}{x \text{ education (yrs.)}}$$

For every 1 x , slope y .

For every 1 more year of education, jail time decreases by 0.412 yrs.

2.3

g) $\hat{y} = 9.6 + -0.412(x)$
 \uparrow
 35

$$\hat{y} = 9.6 + -0.412(35)$$

$$\hat{y} = -4.82 \text{ yrs}$$

h) no - negative jail time not pass.
* 35 yrs. education is very far away from our given data